

~~TOP SECRET~~

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MEMORANDUM FOR THE RECORD

SUBJECT: Visit to [REDACTED]
4 December 1965

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2. [REDACTED] gave a general description of the Photo Working Panel and a short summary of the aims of the panel for the benefit of the [REDACTED] representatives.

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3. The C/Mural system was seen in various stages of preparation. This proved to be quite valuable to the panel members.

4. The [REDACTED] representatives pointed out that a given frame is out of focus at the start and finish of the exposure due to "seeing" a small section of the film around the rollers. During a given mission about three frames at the start and one frame at the end are smeared due to ITC mismatch.

5. Some discussion was given to temperature variation effects. Normally there is a 0.395" clearance between the film and the data blocks. For large temperature variations the film might approach the data blocks and give soft spots. This should be investigated with respect to the soft spots noted in a particular mission by [REDACTED]. The effect of temperature on defocusing for the titanium-Invar system was estimated from an extrapolation of laboratory data. The results of Mission 9056, which had large temperature effects, indicated that this extrapolation had been made conservatively. For Mission 9056 and prior missions an attempt was made to operate on the shoulder of the curve, a small distance away from the optimum peak of the curve. In subsequent missions the exact peak was targeted.

6. It was noted that 'Dr. A' test patterns are available for all camera systems used operationally. These data might be valuable in the analysis of frames from these missions and will be made available. Since the relative contours determined in the 'Dr. A' tests are fairly insensitive to temperature, soft spots due to temperature effects might be expected to show up the maximum or minimum contours determined in these tests.

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